

## CHAPTER 2 DEFINITIONS AND ABBREVIATIONS

### SIFC-201 DEFINITIONS

The following words and terms shall, for the purposes of this SIFC-2000, have the meanings shown in this chapter. Terms not defined in this SIFC-2000 shall have the meanings ascribed to them in the VUSBC and IBC.

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**Approved.** See IBC-202 **Approved**.

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**Approved agency.** See IBC-1702.1 **Approved agency**.

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**Approved fabricator.** See IBC-1702.1 **Approved fabricator**.

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**Architect of record (AR).** The **registered design professional (RDP)** retained by the **Owner** to design or specify architectural construction in accordance with the VUSBC and the Code of the County of Fairfax, and whose signature and seal appear on the County-approved architectural construction documents.

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**Building.** See VUSBC-202 **Building**.

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**Certificate of compliance.** May be issued by corporate officer. See IBC-1702.1 **Certificate of compliance**.

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**Certification.** Shall be issued by **RDP**.

1. A statement by a **RDP** which shall indicate that the item(s) under consideration, in the **RDP's** opinion and to the best of the **RDP's** knowledge, complies with County-approved documents. A certification shall carry the original signature and seal of the **RDP** making the statement; or
  2. A statement by a **RDP** which shall indicate that the item(s) under consideration, in the **RDP's** opinion and to the best of the **RDP's** knowledge, complies with requirements of the VUSBC. A certification shall carry the original signature and seal of the **RDP** making the statement.
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**Completion letter.**

1. A certification by the **SIER** which shall indicate that the construction elements subject to special inspections as identified in the County-approved statement of special inspections for a specific material or phase of construction have been inspected prior to concealment, and in the **SIER's** professional opinion and to the best of the **SIER's** knowledge, complies with County-approved documents and project specifications. A completion letter shall carry the original signature and seal of the **SIER** making the statement; or
  2. A certification by the **GER** which shall indicate that the construction elements subject to special inspections as identified in the County-approved statement of special inspections for a specific material or phase of construction have been inspected prior to concealment, and in the **GER's** professional opinion and to the best of the **GER's** knowledge, complies with County-approved documents and project specifications. A completion letter shall carry the original signature and seal of the **GER** making the statement.
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**Construction documents.** Documents prepared for the purpose of obtaining a building permit. See IBC-202 **Construction documents**.

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**County-approved documents.**

1. Building construction documents as approved by the **BPRD** including all approved revisions;
  2. Fabrication and erection documents as approved by **FCCSS** including all approved revisions;
  3. Soils-related documents as approved by the EFRD including all approved revisions.
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**Critical structure.** See **Special inspections project**.

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**Fabricated item.** See IBC-1702.1 **Fabricated item**.

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**Fabrication and erection documents.** All of the written, graphic and pictorial documents prepared or assembled after issuance of a building permit and in addition to the County-approved construction documents, describing the design, location and physical characteristics of the building components or materials necessary for fabrication, assembly or erection of the elements of the project.

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**Final report of special inspections.** A certification by the **SIER** which shall indicate that all construction elements subject to special inspections as identified in the County-approved statement of special inspections for all materials or phases of construction have been inspected prior to concealment, and in the **SIER's** professional opinion and to the best of the **SIER's** knowledge, a construction project complies with County-approved documents and project specifications. The final report of special inspections shall carry the original signature and seal of the **SIER** making the statement.

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**Geotechnical engineer of record (GER).** The **RDP** retained by the **Owner** to design or specify earthwork and foundations in accordance with the VUSBC, the Code of the County of Fairfax and the Fairfax County Public Facilities Manual, and whose seal and signature appear on the County-approved geotechnical report.

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**Inspection.** The continuous or periodic observation of work and the performance of tests for certain building or structure components to establish conformance with County-approved documents as required by the VUSBC, IBC and this SIFC-2000.

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**Inspection certificate.** See IBC-1702.1 **Inspection certificate**.

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**Inspection and testing agency.** An established and recognized agency or agencies, meeting the requirements of ASTM E 329 and accredited, retained by the **Owner**, independent of the contractors performing the work subject to special inspections, and approved by **FCCSS** to perform special inspections and materials testing required by the VUSBC, IBC and this SIFC-2000. See IBC-1702.1 **Approved agency**.

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**Label.** See IBC-1702.1 **Label**.

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**Manufacturer's designation.** See IBC-1702.1 **Manufacturer's designation**.

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**Mark.** See IBC-1702.1 **Mark**.

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**Non-Residential Use Permit (Non-RUP).** Certificate of occupancy, issued by the Fairfax County Zoning Administration Division of the Office of Comprehensive Planning pursuant to the Fairfax County Zoning Ordinance (Chapter 112 of the Code of the County of Fairfax). A Non-RUP issued for a building shell indicates that construction of a new building has been completed in compliance with all Fairfax County requirements. A Non-RUP for a specific tenant indicates that construction of this tenant's space has been completed in compliance with all Fairfax County requirements, and can be occupied.

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**Non-structural elements.** Elements of a building that are not primary or secondary structural elements. Examples include exterior curtain walls and cladding, nonloadbearing partitions, stair railings, etc.

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**Owner.** The word "owner" shall be construed as though followed by the words "or the owner's duly authorized representative". See VUSBC-202 **Owner**.

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**Pre-engineered structural elements.** Structural elements specified by the **SER** but which may be designed by a specialty **RDP**. Examples are items such as open web steel joists and joist girders; wood trusses; combination wood, metal and plywood joists; precast concrete elements; prefabricated wood or metal buildings; tilt-up concrete panel reinforcement and lifting hardware.

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**Primary structural system.** The combination of elements which serve to support the weight of the building's structural shell, the applicable live loads based upon use and occupancy, and wind, snow, thermal and seismic environmental loads. Items such as curtain wall members, nonloadbearing walls, or exterior facades are not part of the primary structural system.

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**Registered design professional (RDP).** A professional architect or professional engineer licensed in the Commonwealth of Virginia (see Code of Virginia, § 54-1). See VUSBC-202

**Registered design professional.**

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**Reshores.** See IBC-1902.1 **Reshores**.

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**Secondary structural elements.** Building elements that are structurally significant for the function they serve but are not necessary for stability of the primary structure. Examples include: support beams above the primary roof structure which carry a chiller; elevator support rails and beams; retaining walls independent of the primary building; flagpole or light pole foundations; falsework required for the erection of the primary structural system; steel stairs or railings; etc., not fully specified on the County-approved construction documents.

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**Shall.** This term, where used in this SIFC-2000, indicates mandatory requirements.

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**Shores.** See IBC-1902.1 **Shores**.

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**Special inspection.** Inspection or testing of building components requiring special expertise to “ensure” compliance with County-approved documents and VUSBC and IBC requirements. In this context, “ensure” means “substantiate”. See also IBC-1702.1 **Special inspection**.

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**Special inspections engineer of record (SIER).** Referred to as “Special inspector” in IBC, the **RDP** who is directly responsible for special inspections, materials testing and related services as described in the County-approved Statement of Special Inspections and this SIFC-2000. The **SIER** shall be retained by the **Owner**, independent of the contractors performing the work subject to special inspections, and approved by **FCCSS** to perform special inspections.

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**Special Inspections Program, Fairfax County.** The administrative procedures of the Critical Structures Section, DPWES, Fairfax County, Virginia (**FCCSS**), for construction projects subject to special inspections during construction, in accordance with the VUSBC and IBC. The requirements of the Fairfax County Special Inspections Program are contained in this document, *Special Inspections: Implementation in Fairfax County - 2000 Edition* (SIFC-2000).

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**Special inspections project.** A building or structure to be constructed or altered under the Fairfax County Special Inspections Program.

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**Statement of Special Inspections (SSI).** The Statement of Special Inspections is a statement prepared by the **Owner** and the appropriate **RDPs** of record (**AR, GER, SER**) and submitted by the permit applicant. The SSI identifies the scope of the special inspections services applicable to a construction project, and the **RDPs** and Inspection and Testing Agencies who will provide those services. The SSI is required as a condition for permit issuance in accordance with IBC as amended by VUSBC.

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**Structural engineer of record (SER).** The **RDP** retained by the **Owner** to design or specify structural documents in accordance with the VUSBC and the Code of the County of Fairfax, and whose signature and seal appear on the County-approved structural construction documents.

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**Structure.** See VUSBC-202 **Structure**.

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VUSBC-202 **Building.** A combination of any materials, whether portable or fixed, having a roof to form a structure for the use or occupancy by persons or property. The word “building” shall be construed as though followed by the words “or part or parts thereof” unless the context clearly requires a different meaning. For application of this code, each portion of a building which is completely separated from other portions by fire walls complying with Section 705.0 shall be considered as a separate building.

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VUSBC-202 **Owner.** The owner or owners of the freehold of the premises or lesser estate therein, a mortgagee or vendee in possession, assignee of rents, receiver, executor, trustee, or lessee in control of a building or structure.

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VUSBC-202 **Registered Design Professional (RDP).** An architect or professional engineer, licensed to practice architecture or engineering, as defined under § 54.1-400 et seq. of the Code of Virginia.

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**VUSBC-202 Structure.** An assembly of materials forming a construction for occupancy or use including stadiums, gospel and circus tents, reviewing stands, platforms, stagings, observation towers, radio towers, water tanks, storage tanks (underground and aboveground), trestles, piers, wharves, swimming pools, amusement devices, storage bins, and other structures of this general nature but excluding water wells. The word "structure" shall be construed as though followed by the words "or part or parts thereof" and "or equipment" unless the context clearly requires a different meaning.

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**IBC-202 Approved.** Acceptable to the building official.

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**IBC-1702.1 Approved agency.** An established and recognized agency regularly engaged in conducting tests or furnishing inspection services, when such agency has been approved.

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**IBC-1702.1 Approved fabricator.** An established and qualified person, firm or corporation approved by the building official pursuant to Chapter 17 of this code.

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**IBC-1702.1 Certificate of compliance.** A certificate stating that materials and products meet specified standards or that work was done in compliance with approved construction documents.

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**IBC-202 Construction documents.** Written, graphic and pictorial documents prepared or assembled for describing the design, location and physical characteristics of the elements of a project necessary for obtaining a building permit.

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**IBC-1702.1 Fabricated item.** Structural, load bearing or lateral load-resisting assemblies consisting of materials assembled prior to installation in a building or structure, or subjected to operations such as heat treatment, thermal cutting, cold working or reforming after manufacture and prior to installation in a building or structure. Materials produced in accordance with standard specifications referenced by this code, such as rolled structural steel shapes, steel-reinforcing bars, masonry units and plywood sheets, shall not be considered "fabricated items."

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**IBC-1702.1 Inspection certificate.** An identification applied on a product by an approved agency containing the name of the manufacturer, the function and performance characteristics, and the name and identification of an approved agency that indicates that the product or material has been inspected and evaluated by an approved agency (see Section 1703.5 and "Label," "Manufacturer's Designation" and "Mark").

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**IBC-1702.1 Label.** An identification applied on a product by the manufacturer that contains the name of the manufacturer, the function and performance characteristics of the product or material, and the name and identification of an approved agency and that indicates that the representative sample of the product or material has been tested and evaluated by an approved agency (see Section 1703.5 and "Inspection Certificate," "Manufacturer's Designation" and "Mark").

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**IBC-1702.1 Manufacturer's designation.** An identification applied on a product by the manufacturer indicating that a product or material complies with a specified standard or set of rules (see also "Inspection Certificate," "Label" and "Mark").

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**IBC-1702.1 Mark.** An identification applied on a product by the manufacturer indicating the name of the manufacturer and the function of a product or material (see also "Inspection Certificate," "Label" and "Manufacturer's Designation").

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**IBC-1902.1 Reshores.** Shores placed snugly under a concrete slab or other structural member after the original forms and shores have been removed from a larger area, thus requiring the new slab or structural member to deflect and support its own weight and existing construction loads applied prior to the installation of the reshores.

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**IBC-1902.1 Shores.** Vertical or inclined support members designed to carry the weight of the formwork, concrete and construction loads above.

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**IBC-1702.1 Special inspection.** Inspection as herein required of the materials, installation, fabrication, erection or placement of components and connections requiring special expertise to ensure compliance with approved construction documents and referenced standards (see Section 1704).

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**IBC-1702.1 Special inspection, continuous.** The full-time observation of work requiring special inspection by an approved special inspector who is present in the area where the work is being performed.

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IBC-1702.1 <b>Special inspection, periodic.</b>	The part-time or intermittent observation of work requiring special inspection by an approved special inspector who is present in the area where the work has been or is being performed and at the completion of the work.
IBC-1702.1 <b>Sprayed fire-resistant materials.</b>	Cementitious or fibrous materials that are spray-applied to provide fire-resistant protection of the substrates.
IBC-1702.1 <b>Structural observation.</b>	The visual observation of the structural system by a registered design professional for general conformance to the approved construction documents at significant construction stages and at completion of the structural system. Structural observation does not include or waive the responsibility for the inspection required by Section 109, Section 1704 or other sections of this code.

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## SIFC-202 ABBREVIATIONS AND PROMULGATING AGENCIES

A2LA	The American Association for Laboratory Accreditation 5301 Buckeystown Pike, Suite 350 Frederick, MD 21704	<a href="http://www.a2la2.net">www.a2la2.net</a> 301-644-3248
ACI	ACI International (American Concrete Institute) P.O. Box 9094 38800 Country Club Drive Farmington Hills, MI 48333 Farmington Hills, MI 48331	<a href="http://www.aci-int.net">www.aci-int.net</a> 248-848-3700
AISC	American Institute of Steel Construction, Inc. One East Wacker Drive, Suite 3100 Chicago, IL 60601-2001	<a href="http://www.aisc.org">www.aisc.org</a> 312-670-2400
AISC ASD	Manual of Steel Construction – Allowable Stress Design, 9 <sup>th</sup> Edition	
AISC LRFD	Manual of Steel Construction – Load and Resistance Factor Design, 3 <sup>rd</sup> Edition	
AISI	American Iron and Steel Institute 1140 Connecticut Avenue, Suite 705 Washington, DC 20036	<a href="http://www.steel.org">www.steel.org</a> 202-452-7100
AR	Architect of record	
ASCE	American Society of Civil Engineers 1801 Alexander Bell Drive Reston, VA 20191-4400	<a href="http://www.asce.org">www.asce.org</a> 800-548-2723
ASNT	American Society for Non-Destructive Testing P.O. Box 28515 1711 Arlingate Lane Columbus, OH 43228-0518	<a href="http://www.asnt.org">www.asnt.org</a> 800-222-2768
ASTM	American Society for Testing and Materials 100 Barr Harbor Drive West Conshohocken, PA 19428-2959	<a href="http://www.astm.org">www.astm.org</a> 610-832-9585
AWS	American Welding Society 550 N.W. LeJeune Road Miami, FL 33126	<a href="http://www.aws.org">www.aws.org</a> 800-443-9353
BIA	Brick Industry Association 11490 Commerce Park Drive, Suite 300 Reston, VA 20191-1525	<a href="http://www.bia.org">www.bia.org</a> 703-620-0010
BPRD	Building Plan Review Division, DPWES	
CASE	Council of American Structural Engineers American Council of Engineering Companies 1015 Fifteenth Street N.W., 8 <sup>th</sup> Floor Washington, DC 20005-2605	<a href="http://www.acec.org">www.acec.org</a> 202-347-7474
CFR	U.S. Code of Federal Regulations	
CID	Commercial Inspections Division, DPWES	<a href="http://www.firstgov.gov">www.firstgov.gov</a> 703-324-1910

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CCRL	Cement and Concrete Reference Laboratory Building and Fire Research Laboratory National Institute of Standards and Technology 100 Bureau Drive, Stop 8600 Gaithersburg, Maryland 20899-8600	<a href="http://www.bfrl.nist.gov">www.bfrl.nist.gov</a> 301-975-5900
CRSI	Concrete Reinforcing Steel Institute 933 North Plum Grove Road Schaumburg, IL 60173-4758	<a href="http://www.crsi.org">www.crsi.org</a> 847-517-1200
DPWES	Department of Public Works and Environmental Services Herrity Building 12055 Government Center Parkway Fairfax County, VA 22035-5504	<a href="http://www.fairfaxcounty.gov/dpwes">www.fairfaxcounty.gov/dpwes</a>
EIFS	Exterior Insulation and Finish Systems	
EFRD	Environmental and Facilities Review Division, DPWES	703-324-1720
FCCSS	Fairfax County Critical Structures Section, DPWES 12055 Government Center Parkway, Suite 316 Fairfax County, VA 22035-5504	703-324-1060 703-324-1064 fax
FRD	Fire and Rescue Department 4100 Chain Bridge Road Fairfax County, VA 22030 Fire Protection Systems Testing Section, Fire Prevention Division Inspections Section, Fire Prevention Division	<a href="http://www.fairfaxcounty.gov/ps/FR">www.fairfaxcounty.gov/ps/FR</a> 703-246-4821 703-246-4949
GC	General contractor	
GER	Geotechnical engineer of record	
IBC-2000 or IBC	ICC's 2000 International Building Code, with portions of the 2001 and 2002 supplements, as incorporated by VUSBC(2000)	
ICC	International Code Council, Inc. 5203 Leesburg Pike, Suite 600 Falls Church, VA 22041	<a href="http://www.iccsafe.org">www.iccsafe.org</a> 703-931-4533
LDS	Land Development Services, DPWES	
NCMA	National Concrete Masonry Association 13750 Sunrise Valley Drive Herndon, VA 20171-4662	<a href="http://www.ncma.org">www.ncma.org</a> 703-713-1900
NEC	NFPA 70-99 National Electrical Code	
NFPA	National Fire Protection Association 1 Batterymarch Park Quincy, MA 02169-7471	<a href="http://www.nfpa.org">www.nfpa.org</a> 617-770-3000
NICET	National Institute for Certification in Engineering Technologies 1420 King Street Alexandria, VA 22314-2794	<a href="http://www.nicet.org">www.nicet.org</a> 888-476-3238
NIST	National Institute of Standards and Technology 100 Bureau Drive, Stop 3460 Gaithersburg, MD 20899-3460	<a href="http://www.nist.gov">www.nist.gov</a> 301-975-8295
Non-RUP	Non-Residential Use Permit	
NVLAP	National Voluntary Laboratory Accreditation Program National Institute of Standards and Technology 100 Bureau Drive, Stop 2140 Gaithersburg, MD 20899-2140	<a href="http://www.nist.gov/nvlap">www.nist.gov/nvlap</a> 301-975-4016
OSHA	U.S. Dept. of Labor Occupational Safety & Health Administration 200 Constitution Avenue Washington, DC 20210	<a href="http://www.osha.gov">www.osha.gov</a> 800-321-6742
PCA	Portland Cement Association 5420 Old Orchard Road Skokie, IL 60077	<a href="http://www.portcement.org">www.portcement.org</a> 847-966-6200

PCI	Precast /Prestressed Concrete Institute 209 West Jackson Boulevard, Suite 500 Chicago, IL 60606	<a href="http://www.pci.org">www.pci.org</a> 312-786-0300
PTI	Post-Tensioning Institute 8601 North Black Canyon Highway, Suite 103 Phoenix, AZ 85021	<a href="http://www.post-tension.org">www.post-tension.org</a> 602-870-7540
RCSC	Research Council on Structural Connections c/o American Institute of Steel Construction One East Wacker Drive, Suite 3100 Chicago, IL 60601-2001	<a href="http://www.boltcouncil.org">www.boltcouncil.org</a> 312-670-2400
RID	Residential Inspections Division, DPWES	703-631-5101
RDP	Registered Design Professional	
SDI	Steel Deck Institute P.O. Box 25 Fox River Grove, IL 60021	<a href="http://www.sdi.org">www.sdi.org</a> 847-458-4647
SER	Structural engineer of record	
SIER	Special inspections engineer of record	
SIFC-mm.nn	Sections within SIFC-2000 document.	
SIFC-2000	<i>Special Inspections: Implementation in Fairfax County - 2000 Edition</i>	
SJI	Steel Joist Institute 3127 10 <sup>th</sup> Avenue, North Ext. Myrtle Beach, SC 29577-6760	<a href="http://www.steeljoist.org">www.steeljoist.org</a> 843-626-1995
SSI	Statement of Special Inspections	
TMS	The Masonry Society 3970 Broadway, Suite 201-D Boulder, CO 80304-1135	<a href="http://www.masonrysociety.org">www.masonrysociety.org</a> 303-939-9700
TPI	Truss Plate Institute 583 D'Onofrio Drive, Suite 200 Madison, WI 53719	<a href="http://www.tpinst.org">www.tpinst.org</a> 608-833-5900
UL	Underwriters Laboratories, Inc. 333 Pfingsten Road Northbrook, IL 60062-2096	<a href="http://www.ul.com">www.ul.com</a> 1-847-272-8800
VDOT	Virginia Department of Transportation 1221 East Broad Street Richmond, VA 23219	<a href="http://www.virginiadot.org">www.virginiadot.org</a> 804-786-2801
VOSHA	Virginia Occupational Safety and Health Administration Department of Labor and Industry 13 South Thirteenth Street Richmond, VA 23219-4101	<a href="http://www.doli.state.va.us">www.doli.state.va.us</a> 804-371-2327
VUSBC(2000) or VUSBC	Virginia Uniform Statewide Building Code (2000) Edition 13 VAC 5-62-10 et seq., effective October 1, 2003	<a href="http://www.legis.state.va.us">www.legis.state.va.us</a>
WACEL	WACEL: An Association Of Engineering Laboratories, Inspection Agencies And Building Officials 7900 Wisconsin Avenue, Suite 305 Bethesda, MD 20814	<a href="http://www.wacel.org">www.wacel.org</a> 301-652-7925

